

2003 1062 US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Leena LEHTINEN et al

Application No:

Filed:

For: A METHOD FOR THE REMOVAL OF COPPER
FROM A ZINC SULPHATE SOLUTION

CERTIFICATE UNDER 37 CFR 3.73(b)
POWER OF ATTORNEY BY ASSIGNEE

OUTOKUMPU TECHNOLOGY OY certifies that it is the assignee of the entire right, title, and interest in the patent application identified above by virtue of an assignment to OUTOKUMPU TECHNOLOGY OY from Leena Lehtinen, Marko Lahtinen, Marika Jyrälä and Matti Vuokko dated April 10, 2006 (copy enclosed).

The undersigned declares that he is an officer of OUTOKUMPU TECHNOLOGY OY and is authorized to sign this certificate on behalf of OUTOKUMPU TECHNOLOGY OY; and further declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, Sec. 1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

OUTOKUMPU TECHNOLOGY OY as Assignee of the entire right; title, and interest in and to this U.S. patent application, hereby revokes any previous Powers of Attorney and appoints the practitioners associated with **Customer Number 007812** (John Smith-

Hill, Reg. No. 27,730, Daniel J. Bedell, Reg. No. 30,156 and Jay Smith-Hill, Reg. No. 56,251), to prosecute this application and transact all business in the Patent and Trademark Office connected therewith and in connection with the resulting patent.

Send correspondence to the correspondence address associated with **Customer Number 007812**.

OUTOKUMPU TECHNOLOGY OY

By: Marja

Name: Marja Lahonen

Title: Manager - IPR

Date: April 24, 2006

COPY

AD 581-40

20031062 US

OUTO

ASSIGNMENT - PATENT APPLICATION

WHEREAS, we,

LEHTINEN, Leena of Pori, Finland
LAHTINEN, Marko of Espoo, Finland
JYRÄLÄ, Marika of Pori, Finland
VUOKKO, Matti of Pori, Finland

have invented certain new and useful improvements in

A METHOD FOR THE REMOVAL OF COPPER FROM A ZINC SULPHATE
SOLUTION

for which an application for United States Letters Patent
was signed on evendate herewith; and

WHEREAS, **OUTOKUMPU TECHNOLOGY OY** of Riihitontuntie 7,
FI-02200 Espoo, Finland (hereinafter "Assignee") desires to
acquire an interest therein and in the Letters Patent to be
obtained therefor;

NOW THEREFORE, for good and valuable consideration, the
receipt and sufficiency of which are acknowledged, we hereby
assign and transfer to Assignee, for the territory of the
United States of America and all other countries, our entire
right, title, and interest in and to said improvements and
in and to said application and any Letters Patent that may
be granted therefor in the United States and any other
country including any division, continuation, substitute,
renewal or reissue of said application or said Letters
Patent.

We hereby agree to communicate to Assignee any facts
known to us relating to said improvements, to testify as to
the same in any interference or legal proceeding concerned
therewith, to execute promptly and deliver to Assignee upon
request any and all papers, instruments, declarations and
affidavits required to apply for, obtain, maintain and
enforce said Letters Patent, and generally to do everything
necessary or desirable to vest and perfect title thereto in
Assignee.

This assignment is binding upon us and our heirs,
successors and personal representative, and shall inure to
the benefit of Assignee, its successors, assigns and
nominees.

We agree that no attorney/client or other fiduciary
relationship exists between us and Smith-Hill and Bedell,
P.C.

IN TESTIMONY WHEREOF, we have hereunto set hand this
10th day of April, 2006.

INVENTORS:



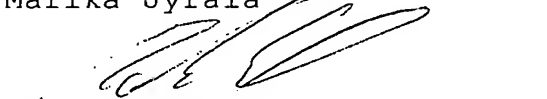
Leena Lehtinen



Marko Lahtinen



Marika Jyrälä



Matti Vuokko